

JBOD SUBSYSTEM AND EXTERNAL EMULATION CONTROLLER THEREOF

Abstract

A JBOD subsystem for providing storage to a host entity. The JBOD subsystem contains at least one external JBOD emulation controller coupled to the host entity for emulating IO operations in response to the IO requests and a set of at least one physical storage device coupled to the JBOD emulation controller for providing storage to the host entity through the JBOD emulation controller. The JBOD emulation controller defines at least one logical media unit (LMU) consisting of sections of the set of physical storage device (PSD) and communicates with the PSD through a point-to-point serial-signal interconnect. As an example, the point-to-point serial-signal interconnect can be a Serial ATA IO device interconnect.